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Affirmative Action/Equal Opportunity Employer

March 5, 2020

Dean Gustafson
All-Points Technology Corporation, P.C.
567 Vauxhall Street Extension – Suite 311
Waterford, CT 06385
dgustafson@allpointstech.com

Project: Construction of commercial-scale PV solar energy generation facility, Middle Road, East Windsor
NDDB Determination No.: 202002789

Dear Mr. Gustafson,

I have reviewed Natural Diversity Database (NDDB) maps and files regarding the area of work provided for the proposed construction of a commercial-scale PV solar energy generation facility along Middle Road, East Windsor, Connecticut. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDB and the current land use practice of cultivated fields. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for two years. Please re-submit a new NDDB Request for Review if the scope of work changes or if work has not begun on this project by March 5, 2022.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey, cooperating units of DEEP, landowners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the NDDB should not be substitutes for on-site surveys necessary for a thorough environmental impact assessment. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the database as it becomes available.

Please contact me if you have further questions at (860) 424-3090, or DEEP.Nddbrequest@ct.gov. Thank you for consulting the Natural Diversity Database.

Sincerely,

/s/ Geoffrey Krukar
Wildlife Biologist



Connecticut Department of
 Energy & Environmental Protection
 Bureau of Natural Resources
 Wildlife Division

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #: No fee required	
Program: Natural Diversity Database Endangered Species	
Hardcopy _____	Electronic _____

Request for Natural Diversity Data Base (NDDB) State Listed Species Review

Please complete this form in accordance with the [instructions](#) (DEEP-INST-007) to ensure proper handling of your request.

There are no fees associated with NDDB Reviews.

Part I: Preliminary Screening & Request Type

<p>Before submitting this request, you must review the most current Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the DEEP website. These maps are updated twice a year, usually in June and December.</p> <p>Does your site, including all affected areas, fall in an NDDB Area according to the map instructions: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Enter the date of the map reviewed for pre-screening: <u>December 2019</u></p>	
This form is being submitted for a :	
<input checked="" type="checkbox"/> <i>New</i> NDDB request <input type="checkbox"/> <i>Renewal/Extension</i> of a NDDB Request, without modifications and within two years of issued NDDB determination (no attachments required) <small>[CPPU Use Only - NDDB-Listed Species Determination # 1736]</small>	<input type="checkbox"/> New Safe Harbor Determination (optional) must be associated with an application for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities <input type="checkbox"/> <i>Renewal/Extension</i> of an existing Safe Harbor Determination <input type="checkbox"/> With modifications <input type="checkbox"/> Without modifications (no attachments required) <small>[CPPU Use Only - NDDB-Safe Harbor Determination # 1736]</small>
Enter NDDB Determination Number for Renewal/Extension:	Enter Safe Harbor Determination Number for Renewal/Extension:

Part II: Requester Information

If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the name shall be stated **exactly as it is registered with the Secretary of State. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at the Secretary of the State's database CONCORD. (www.concord-sots.ct.gov/CONCORD/index.jsp)*

If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).

If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the [Request to Change company/Individual Information](#) to the address indicated on the form.

1. Requester*

Company Name: **Verogy, LLC**

Contact Name: **Steven DeNino, COO**

Address: **150 Trumbull Street, 4th Floor**

City/Town: **Hartford**

State: **CT**

Zip Code: **06103**

Business Phone: **(860) 288-7215**

ext. **702**

E-mail: **sdenino@verogy.com

**By providing this email address you are agreeing to receive official correspondence from the department, at this electronic address, concerning this request. Please remember to check your security settings to be sure you can receive emails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes

a) Requester can best be described as:

Individual Federal Agency State agency Municipality Tribal

business entity (if a business entity complete i through iii):

i) Check type corporation limited liability company limited partnership
 limited liability partnership statutory trust Other:

ii) Provide Secretary of the State Business ID #: 1323955 This information can be accessed at the

Secretary of the State's database (CONCORD). (www.concord-sots.ct.gov/CONCORD/index.jsp)

iii) Check here if your business is **NOT** registered with the Secretary of State's office.

b) Acting as (Affiliation), pick one:

Property owner Consultant Engineer Facility owner Applicant

Biologist Pesticide Applicator Other representative:

2. List Primary Contact to receive Natural Diversity Data Base correspondence and inquiries, if different from requester.

Company Name: **All-Points Technology Corporation, P.C.**

Contact Person: **Dean Gustafson**

Title: **Senior Biologist**

Mailing Address: **567 Vauxhall Street Extension – Suite 311**

City/Town: **Waterford**

State: **CT**

Zip Code: **06385**

Business Phone: **(860) 552-2033**

ext.

E-mail: **dgustafson@allpointstech.com

Part III: Site Information

This request can only be completed for one site. A separate request must be filed for each additional site.

<p>1. SITE NAME AND LOCATION</p> <p>Site Name or Project Name: East Windsor Solar One</p> <p>Town(s): East Windsor</p> <p>Street Address or Location Description: 341 East Road</p> <p>Size in acres, or site dimensions: Property: ±73 acres; Project Area: ±25 acres</p> <p>Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):</p> <p>Latitude: 41.89072° Longitude: -72.51870°</p> <p>Method of coordinate determination (check one):</p> <p><input type="checkbox"/> GPS <input checked="" type="checkbox"/> Photo interpolation using CTECO map viewer <input type="checkbox"/> Other (specify):</p> <p>2a. Describe the current land use and land cover of the site.</p> <p>The site is currently in agricultural use which is dominated by cultivated fields. Relatively narrow bordering forested wetlands to Pecks Brook are located near the eastern site boundary, located primarily on the adjoining parcel, in proximity to the proposed solar facility. Southern portions of the site well beyond the proposed solar facility include an agricultural pond (impounded Pecks Brook), scrub/shrub bordering wetlands and old field in addition to other cultivated fields.</p> <p>b. Check all that apply and enter the size in acres or % of area in the space after each checked category.</p> <table><tr><td><input type="checkbox"/> Industrial/Commercial _____</td><td><input type="checkbox"/> Residential _____</td><td><input type="checkbox"/> Forest _____</td></tr><tr><td><input checked="" type="checkbox"/> Wetland <u>15%</u></td><td><input checked="" type="checkbox"/> Field/grassland <u>90%</u></td><td><input checked="" type="checkbox"/> Agricultural <u>100%</u></td></tr><tr><td><input checked="" type="checkbox"/> Water <u>5%</u></td><td><input type="checkbox"/> Utility Right-of-way _____</td><td></td></tr><tr><td><input type="checkbox"/> Transportation Right-of-way _____</td><td><input checked="" type="checkbox"/> Other (specify): 5% old field</td><td></td></tr></table>	<input type="checkbox"/> Industrial/Commercial _____	<input type="checkbox"/> Residential _____	<input type="checkbox"/> Forest _____	<input checked="" type="checkbox"/> Wetland <u>15%</u>	<input checked="" type="checkbox"/> Field/grassland <u>90%</u>	<input checked="" type="checkbox"/> Agricultural <u>100%</u>	<input checked="" type="checkbox"/> Water <u>5%</u>	<input type="checkbox"/> Utility Right-of-way _____		<input type="checkbox"/> Transportation Right-of-way _____	<input checked="" type="checkbox"/> Other (specify): 5% old field	
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<input type="checkbox"/> Transportation Right-of-way _____	<input checked="" type="checkbox"/> Other (specify): 5% old field											

Part IV: Project Information

<p>1. PROJECT TYPE:</p> <p>Choose Project Type: Other , If other describe: <u>Commercial-scale PV Solar Facility</u></p>
<p>2. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain.</p>

Part IV: Project Information (continued)

3. Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used. Include a description of steps that will be taken to minimize impacts to any known listed species.

Verogy is proposing the construction of a commercial-scale PV solar energy generation facility to be located within an existing cultivated field located in the northern portion of the subject property. Access to the facility will be from Middle Road.

Typical equipment anticipated to be used include trucks of varying sizes, excavators, bulldozers, forklifts, and other equipment necessary for the clearing of vegetation, installation of gravel access drive, movement of materials, installation of racking foundation system and solar panels, electrical conduits and limited grading for the solar array development footprint.

Erosion control measures will follow the CTDEEP 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and stormwater will be treated in accordance with the CTDEEP 2004 Connecticut Stormwater Quality Manual.

4. If this is a renewal or extension of an existing Safe Harbor request *with* modifications, explain what about the project has changed.

5. Provide a contact for questions about the project details if different from Part II primary contact.

Name:

Phone:

E-mail:

Part V: Request Requirements and Associated Application Types

Check *one* box from either Group 1, Group 2 or Group 3, indicating the appropriate category for this request.

Group 1. If you check one of these boxes, complete Parts I – VII of this form and submit the required attachments A and B.

- Preliminary screening was negative but an NDDB review is still requested
- Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
- Request regards a preliminary site assessment or project feasibility study
- Request relates to land acquisition or protection
- Request is associated with a *renewal* of an existing permit or authorization, with no modifications

Group 2. If you check one of these boxes, complete Parts I – VII of this form and submit required attachments A, B, and C.

- Request is associated with a *new* state or federal permit or authorization application or registration
- Request is associated with modification of an existing permit or other authorization
- Request is associated with a permit enforcement action
- Request regards site management or planning, requiring detailed species recommendations
- Request regards a state funded project, state agency activity, or CEPA request

Group 3. If you are requesting a **Safe Harbor Determination**, complete Parts I-VII and submit required attachments A, B, and D. Safe Harbor determinations can only be requested if you are applying for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

If you are filing this request as part of a state or federal permit application(s) enter the application information below.

Permitting Agency and Application Name(s):

Connecticut Siting Council, Petition for a Declaratory Ruling & CTDEEP Construction Stormwater

General Permit

Related State DEEP Permit Number(s), if applicable: N/A

State DEEP Enforcement Action Number, if applicable: N/A

State DEEP Permit Analyst(s)/Engineer(s), if known: N/A

Is this request related to a previously submitted NDDB request? Yes No

If yes, provide the previous NDDB Determination Number(s), if known: _____

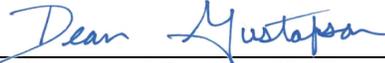
Part VI: Supporting Documents

Check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all new requests and Safe Harbor renewals/extensions with modifications.** Renewals/Extensions with no modifications do not need to submit any attachments. Attachments C and D are supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	Overview Map: an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	Detailed Site Map: fine scaled map showing site boundary and area of work details on aerial imagery with relevant landmarks labeled. (Site and work boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input checked="" type="checkbox"/> Attachment C:	Supplemental Information, Group 2 requirement (attached, DEEP-APP-007C) <input checked="" type="checkbox"/> Section i: Supplemental Site Information and supporting documents <input checked="" type="checkbox"/> Section ii: Supplemental Project Information and supporting documents
<input type="checkbox"/> Attachment D:	Safe Harbor Report Requirements, Group 3 (attached, DEEP-APP-007D)

Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
 Signature of Requester (a typed name will substitute for a handwritten signature)	February 24, 2020 Date
Dean Gustafson, APT, Agent for Verogy, LLC Name of Requester (print or type)	 Title (if applicable)
 Signature of Preparer (if different than above)	February 24, 2020 Date
Dean Gustafson, All-Points Technology Corp. Name of Preparer (print or type)	Senior Biologist Title (if applicable)

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
 DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

Or email request to: deep.nddbrequest@ct.gov

Attachment C: Supplemental Information, Group 2 requirement

Section i: Supplemental Site Information

1. Existing Conditions

Describe all natural and man-made features including wetlands, watercourses, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted. Photographs of current site conditions may be helpful to reviewers.

The proposed solar facility would be located within an existing cultivated field that will require minimal grading and vegetation removal. No wetlands or watercourses will be permanently impacted by the proposed solar facility and generally a minimum 100-foot buffer would be provided from the fenced facility and nearest wetland resource.

Site Photographs (optional) attached

Site Plan/sketch of existing conditions attached

2. Biological Surveys

Has a biologist visited the site and conducted a biological survey to determine the presence of any endangered, threatened or special concern species Yes No

If yes, complete the following questions and submit any reports of biological surveys, documentation of the biologist's qualifications, and any NDDB survey forms.

Biologist(s) name: _____

Habitat and/or species targeted by survey: _____

Dates when surveys were conducted: _____

Reports of biological surveys attached

Documentation of biologist's qualifications attached

[NDDB Survey forms](#) for any listed species observations attached

Section ii: Supplemental Project Information

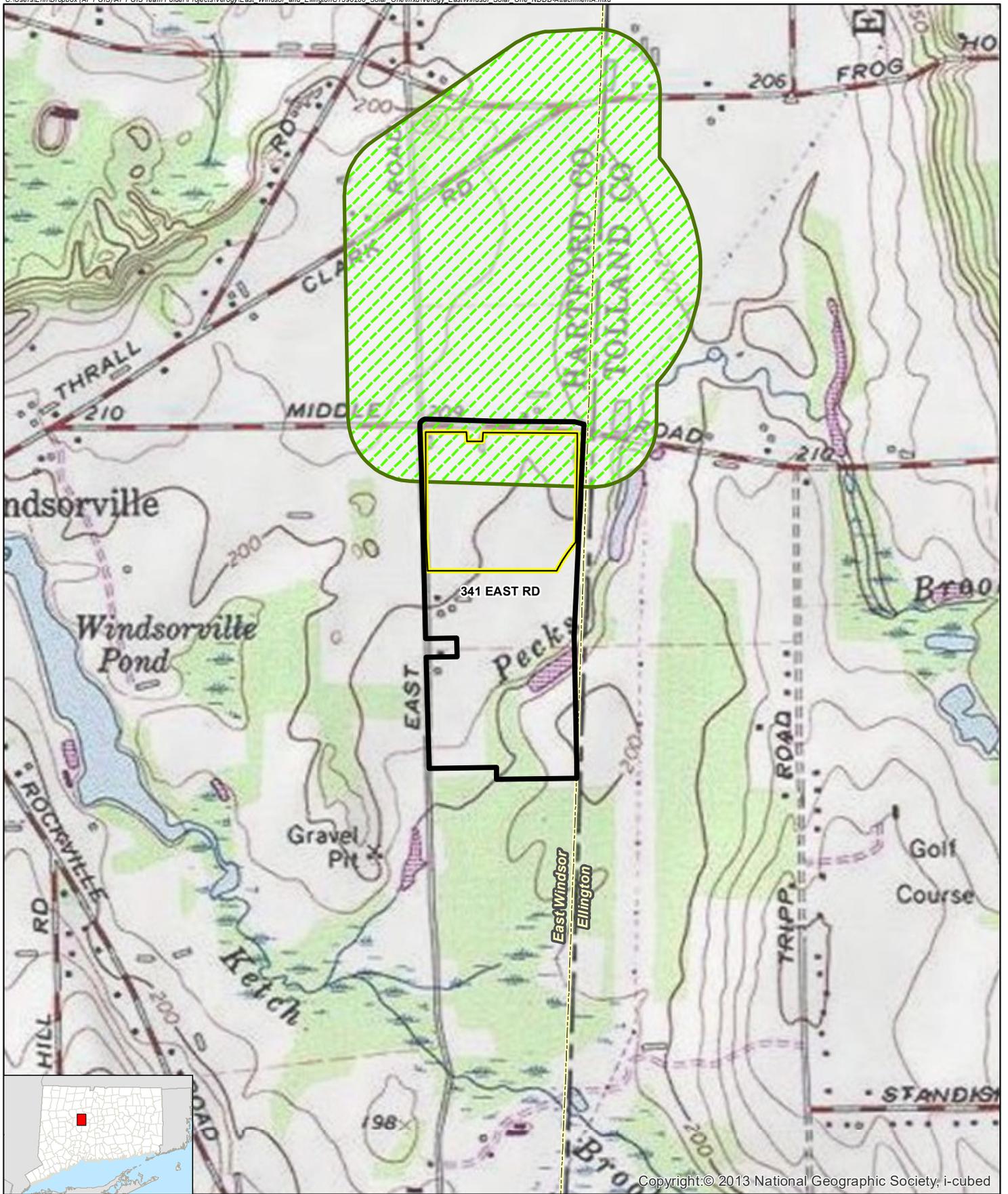
1. Provide a schedule for all phases of the project including the year, the month and/or season that the proposed activity will be initiated and the duration of the activity.

The proposed construction project is anticipated to extend over a period of 6 to 9 months. Construction would start once approval is granted by the Connecticut Siting Council, DEEP and other reviewing agencies.

2. Describe and quantify the proposed changes to existing conditions and describe any on-site or off-site impacts. In addition, provide an annotated site plan detailing the areas of impact and proposed changes to existing conditions.

With the proposed solar facility being located within a cultivated, minimal grading and vegetation clearing is required and no direct impact to wetlands or Pecks Brook would result from the proposed development.

Annotated Site Plan attached



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Legend

-  Site
-  Natural Diversity Database Area (Dec. 2019)

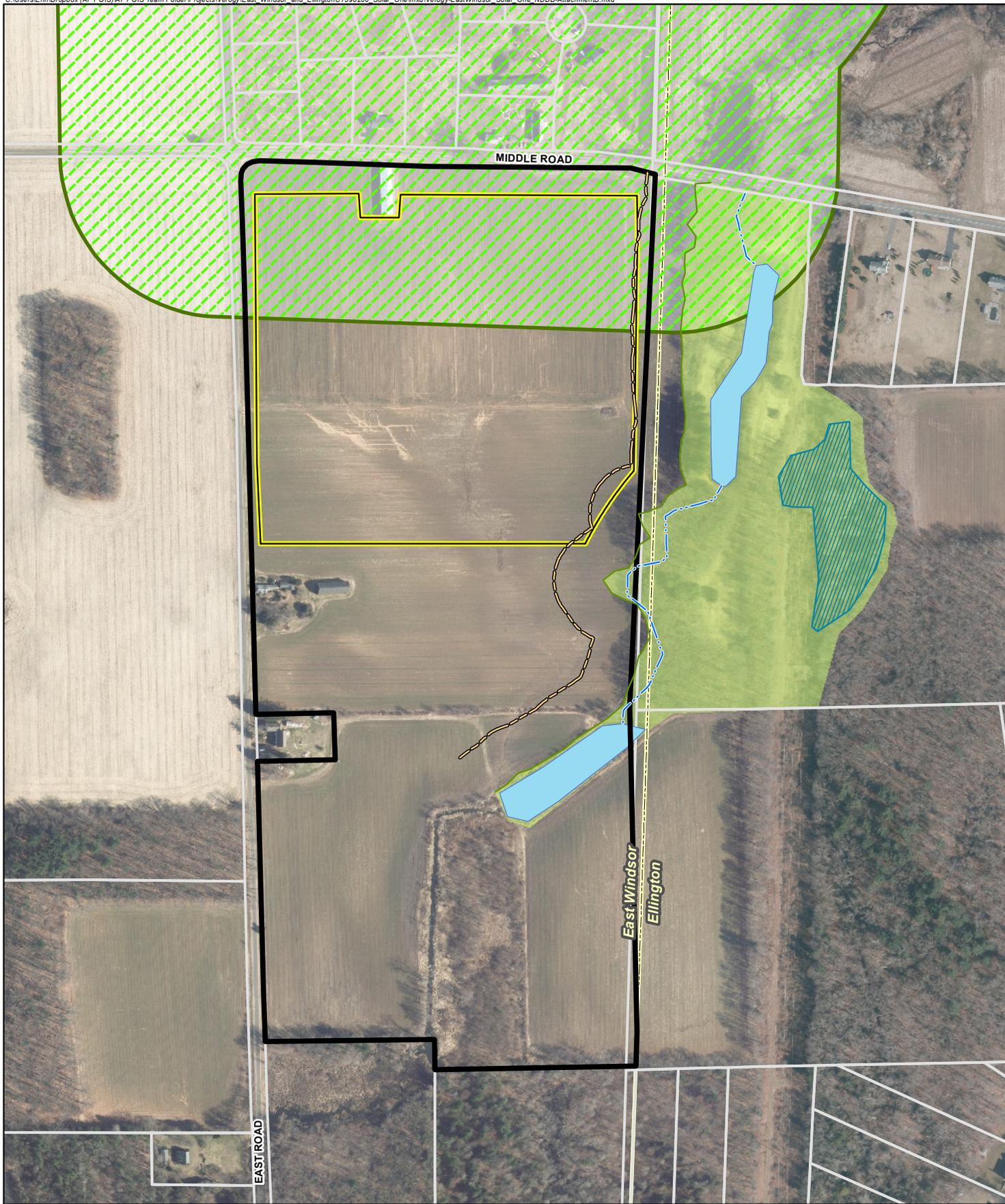
Map Notes:
 Base Map Source: USGS 7.5 Minute Topographic
 Quadrangle Maps: Broad Brook (1984), CT
 Map Scale: 1:12,000
 Map Date: January 2020



**NDDB Attachment A
 Overview Map**

Proposed Solar Facility
 East Windsor Solar One
 341 East Road
 East Windsor, Connecticut





Legend

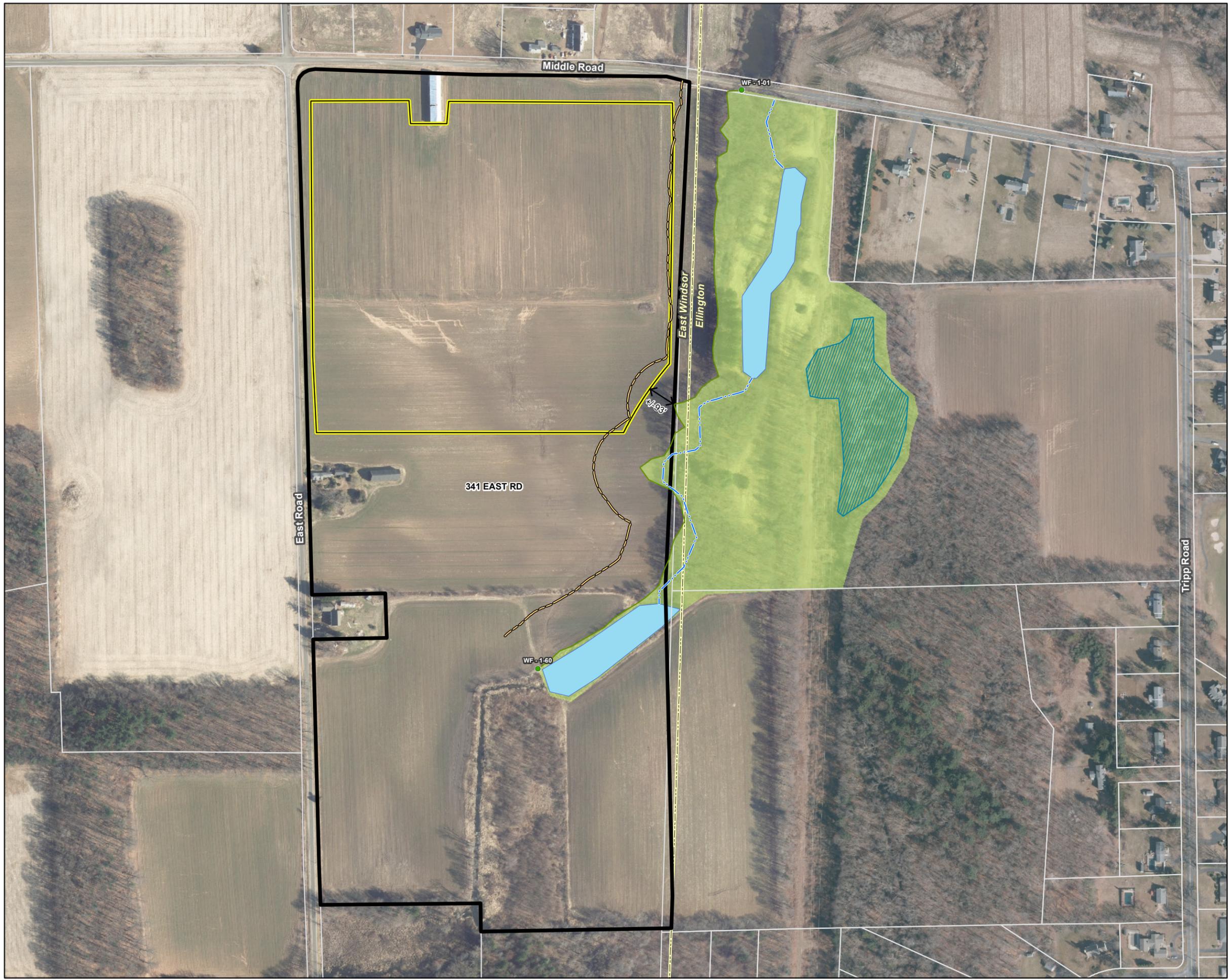
-  Site
-  Project Location
-  Approximate Parcel Boundary (CTDEEP)
-  Natural Diversity Database Area (Dec. 2019)
-  Municipal Boundary
-  Delineated Wetland Boundary
-  Wetland Area
-  150' Upland Review Area
-  Approx. Vernal Pool
-  Approx. Waterbody
-  Approx. Intermittent Stream

**NDDB Attachment B
Detailed Site Map**

Proposed Solar Facility
East Windsor Solar One
341 East Road
East Windsor, Connecticut

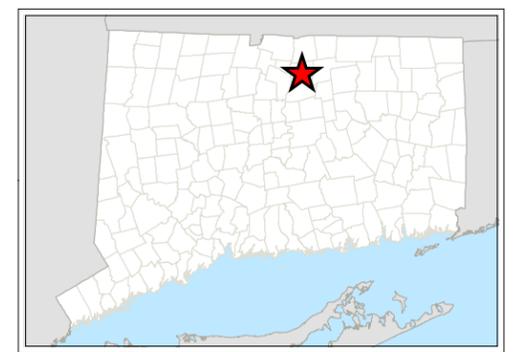
Map Notes:
Base Map Source: CTECO 2019 Aerial Photograph
Map Scale: 1 inch = 400 feet
Map Date: January 2020



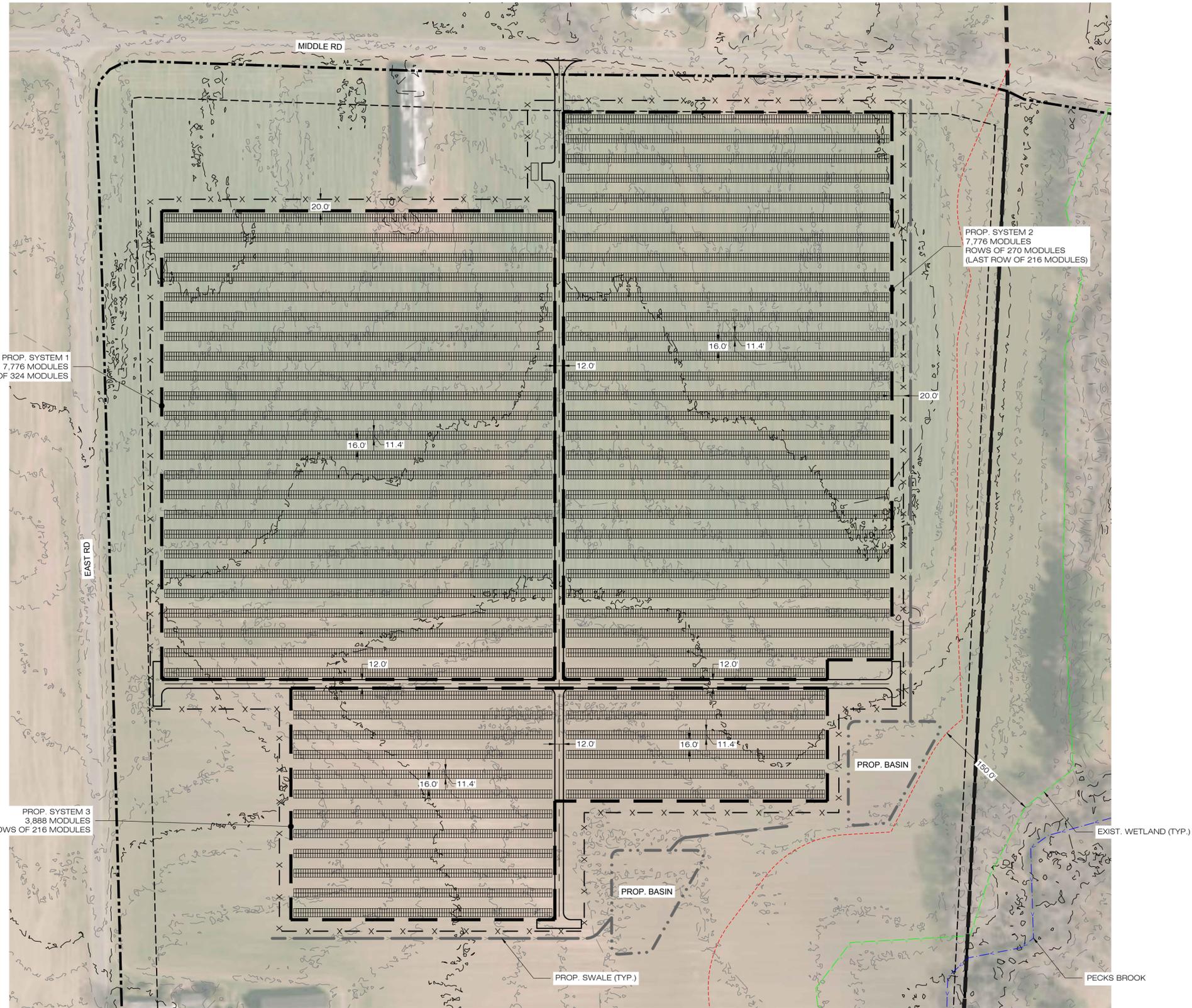


Legend

- Site
- Project Location
- Municipal Boundary
- Delineated Wetland Flag
- Delineated Wetland Boundary
- Wetland Area
- 150' Upland Review Area
- Approx. Intermittent Stream
- Approx. Vernal Pool
- Approx. Waterbody



Map Sources:
 Ortho Base Map: CT ECO 2019 Aerial Imagery
 Elevation contours derived from 2016 LIDAR data provided by CTECO
 Wetlands Field Delineated by:
 Matthew Gustafson, Registered Soil Scientist Date: Jan. 2, 2020
 Map Date: January 2020



PROP. SYSTEM 1
7,776 MODULES
ROWS OF 324 MODULES

PROP. SYSTEM 2
7,776 MODULES
ROWS OF 270 MODULES
(LAST ROW OF 216 MODULES)

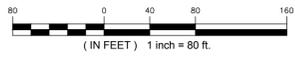
PROP. SYSTEM 3
3,888 MODULES
ROWS OF 216 MODULES

DESIGN TABLE:

MODULE MODEL - EAGLE 72HM G2
MODULE WATTAGE - 370W
PROP. TILT - 30 DEGREES
INTER-ROW SPACING - 16 FEET



1
CP-1 **CONCEPT PLAN**
SCALE: 1" = 80'-0"



3 SADDLEBROOK DRIVE PHONE: (860)-663-1697
KILLINGWORTH, CT 06419 FAX: (860)-663-0995
WWW.ALLPOINTSTECH.COM

CONCEPT

NO	DATE	REVISION
0	11/15/19	FOR REVIEW: BJP
1		
2		
3		
4		
5		
6		

DESIGN PROFESSIONAL OF RECORD
 PROF: BRADLEY J. PARSONS, P.E.
 COMP: ALL-POINTS TECHNOLOGY CORPORATION
 ADD: 3 SADDLEBROOK DRIVE
 KILLINGWORTH, CT 06419
 OWNER: ---
 ADDRESS: ---

EAST WINDSOR SOLAR ONE
 SITE 341 EAST ROAD
 ADDRESS: EAST WINDSOR, CT
 APT FILING NUMBER: CT590210
 DATE: 11/15/19
 DRAWN BY: JT
 CHECKED BY: BJP

SHEET TITLE:
CONCEPT PLAN

SHEET NUMBER:
CP-1



Photo 1: Overview of cultivated field and proposed solar facility area looking northwest.



Photo 2: Overview of cultivated field eastern side and proposed solar facility area looking north.



Photo 3: Overview of cultivated field eastern side and proposed solar facility area looking south.



Photo 4: Overview of cultivated field and proposed solar facility area looking southwest.



Photo 5: View of Pecks Brook looking south.



Photo 6: View of farm pond looking north.